

ABSTRACT

In a coding system wherein an error correction/detect-ion coding is combined with a synchronization recovering technique using a synchronization code, the problems of a pseudo synchronization and a step out due to error detect-ion are solved. There is provided a coding part 212 for coding an input multiplexed code string 201 to an error correcting-/detecting code comprising an information bit and a check bit, and code string assembling part 213 for inserting a synchronization code into any one of a plurality of periodically predetermined synchronization code inserting positions in the code string 201, for arranging the information bit at an optional position in the code string, and for arranging the check bit at a position other than the synchronization code inserting positions in the code string 201 to assemble an output code string 205.